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Our File No. 9281/4614
Client Reference No. S US02148

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
TAKEO SUZUKI et al.)
Serial No. To Be Assigned)
Filing Date: Herewith)
For MIXER WHICH ASSURES)
SATISFACTORY PERFORMANCE)
EVEN AT LOW SUPPLY)
VOLTAGE)

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the obligation under 37 C.F.R. 1.56 and in conformance with 37 C.F.R. 1.97-1.99, Applicant hereby submits reference A1 listed on the attached form PTO-1449 for consideration by the Examiner. A copy of the reference is enclosed herewith.

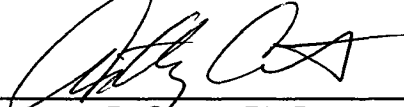
Japanese Unexamined Patent Application Publication No. 05-114823 discloses a frequency mixer circuit which is made up of a small number of elements and can operate even at low voltage.

The filing of this Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. Section 1.56(b). Further, Applicant reserves the right to contest this reference as prior art against the present application, and Applicant does not believe that the disclosure of this reference, even if finally determined to be prior art, anticipates Applicant's invention or that this reference makes Applicant's invention obvious.

No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicant respectfully requests that the Examiner review the entire disclosure of this document and make it of record.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Anthony P. Curtis', is written over a horizontal line.

Anthony P. Curtis, Ph.D.
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BRINKS HOFER GILSON & LIONE
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FORM PTO-1449 LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	SERIAL NO.	CASE NO.
	To be Assigned	9281-4614
	FILING DATE	GROUP ART UNIT
Herewith		
APPLICANT: Takeo Suzuki et al.		

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS/ SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS/ SUBCLASS	TRANSLATION YES	NO
	A1	Japanese Unexamined Patent Application Publication No. 05-114823	05/1993	Japan		X	

EXAMINER INITIAL	OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)					

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.